

Thus, the invention can be employed in place of BHT or BHA in known utilities of BHA and BHT, such as an antioxidant, for instance, an antioxidant food additive. The invention can also be employed in place of

5 topoisomerase-inhibitors in the presently known utilities therefor. Accordingly, there are many compositions and methods envisioned by the invention; for instance, antioxidant or preservative compositions, topoisomerase-inhibiting compositions, methods for preserving food or

10 any desired item such as from oxidation, and methods for inhibiting topoisomerase which comprise either the extract and/or cocoa polyphenol(s) or which comprise contacting the food, item or topoisomerase with the respective composition or with the extract and/or cocoa

15 polyphenol(s).

Having thus described in detail the preferred embodiments of the present invention, it is to be understood that the invention defined by the appended claims is not to be limited by particular details set

20 forth in the above descriptions as many apparent variations thereof are possible without departing from the spirit or scope of the present invention.

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